

KONONOVA, M. M.

Humus

"Problem of soil humus and contemporary questions in studying it." M. M. Kononova.
Reviewed by D. G. Vilenskiy, F. Yu. Gel'tser. Sov. agron. 10 no. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November ² 195~~3~~. Unclassified.

KONONOVA, M.

Soil Microorganisms

Microorganisms and soil structure. K. I. Rudakov. Reviewed by M. Kononova.
Mikrobiologiya 21 no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November ² 1953, Unclassified.

USSR .

Present day concepts on soil organic matter. M. M. Kozlovskaya. *Trudy Kof. po Voprosam Pochvennoi Mikrobiologii, Akad. Nauk S.S.S.R., Inst. Mikrobiol.* 1953, 34-63. A crit. review on the nature and chem. compn. of org. matter in the different zonal soil types. 40 references. J. S. Jelle-4

KONONOVA

KONOVA, M.M. and MISHUSTIN, E.N.

Problem of soil humus and contemporary tasks of its study.

Microbiologiya. Vol. 22. No. 3, P. 344, 1953.

KONONOVA, M. M.

Humus

More about the problem of humus. Pochvovedenie No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

KONONOVA, M.M.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Kononova, M.M.	"The Problem of Soil Humus and Contemporary Problems in Its Study"	Institute of Soils imeni V.V. Dokuchayev, Academy of Sciences USSR

SO: W-30604, 7 July 1954

KONONOVA, M.M.

Some problems in the field of soil microbiology. Mikrobiologiya
23 no.4:485-492 J1-Ag '54. (MIRA 7:9)

1. Pechvennyy institut Akademii nauk SSSR, Moskva.
(SOIL, bacteriology.)
(BACTERIA,
in soil)

KONECHOVA, H.M., professor.

Humus of the soil and its fertility. Priroda 44 no.12:21-29 D '55.
(MIRA 9:1)

(Humus) (Soil fertility)

KONONOVA, M. M.

"The Humus in the Most Important Soils of the USSR and the Biochemical Process of Their Formation," a paper presented at the 6th International Soil Science Congress, Paris, 28 Aug to 8 Sep 56.

In Library Branch #5

KONONOVA, M.M.

Humus of the major soil types of the U.S.S.R., its nature and formation. Pochvovedenie no.3:18-30 Mr '56. (MLBA 9:8)

1. Pochvennyy institut imeni V.V. Dokuchayeva Akademii nauk SSSR.
(Humus)

KONGRENT, 1984

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KONONOVA, M. M.

Soviet soil science at the Sixth International Congress of Soil
Scientists. Pochvovedenie 11:63-67 N '56. (MLRA 10:2)

1. Pochvennyy institut im. V.V. Dokuchayeva Akademii nauk SSSR.
(Paris--Soil research--Congresses)

RYBALKINA, A.V.; KONONENKO, Ye.V.; KONONOVA, M.M., prof., doktor biol. nauk,
otvetstvennyy red.; VOLINSKIYA, V.S., red.izd-va; ASTAF'YEVA, G.A.,
tekh.n.red.

[Microflora of soils of European U.S.S.R.] Mikroflora pochv
evropeiskoi chasti SSSR; A.V.Rybalkina [Microflora of tundra,
Podzol and Chernozem soils] Mikroflora tundrovykh, podsolistykh
i chernozemnykh pochv. A.V.Rybalkina i E.V.Konopenko. [Active
microflora of soils] Aktivnaya mikroflora pochv. Moskva, 1957.
256 p. (MIRA 11:2)

1. Akademiya nauk SSSR. Pochvennyy institut.
(Soil micro-organisms)

KONONOVA, M.M.

The sixth International Congress of Soil Science. Izv. AN SSSR, Ser.
biol.no.2:262-265 Nr-Ap '57.. (MLBA 10:4)

(PARIS - SOIL RESEARCH - CONGRESS)

KONONOVA, M. M.

KONONOVA, M. M.

Principal results of studies on soil humus. Pochvovedenie no. 11:43-61
N '57. (MIRA 10:12)

(Humus)

USSR/Soil Science - Biology of Soils.

J

Abs Jour : Ref Zhur Biol., No 22, 1958, 100026

Author : Kononova, M.M., Aleksandrova, I.V.

Inst : Academy of Sciences USSR

Title : Biochemistry of the Humus-Formation Process and Some Problems of Plant Nutrition.

Orig Pub : Izv. AN SSSR. Ser. biol., 1958, No 1, 74-88

Abstract : The process of humus formation was studied with the aid of a culture of the fungi *Aspergillus niger* and *Penicillium* (sp.) (P). The nutrient medium contained the mineral salts: KH_2PO_4 , KCl, $MgSO_4$, $FeSO_4$, $ZnSO_4$ and $NaNO_3$. The only organic compound was glucose. In the process of developing the fungi in the nutrient medium, determination of the pH, the quantity of residual sugar (according to Bertran), the albuminous N (precipitated

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of the phenoloxidase type. Thereby, the possibility of biocatalysis in the formation process of humus substances is indicated. The elementary composition of the humus substances is determined. A small S/N ratio points to a lesser condensation of cycles in molecules of the humus substances. A small part of the nitrogen of humus substances is of an albuminous

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KONONOVA, M.M.; BEL'CHIKOVA, N.P.; NIKIFOROV, V.K.

Using the chromatographic method for studying the nature of humic substances in soil [with summary in English]. Pochvovedenie no. 3:83-88 Mr '58. (MIRA 11:4)

1. Pochvennyy institut im. V.V. Dokuchayeva AN SSSR.
(Chromatographic analysis) (Humus)

KONONOVA, M.M.; ANTIPOV-KARATAYEV, I.N.

In soil research institutes of the German Federal republic (January
23rd - February 10th). Pochvovedenie no.5:111-113 My '58.

(MIRA 11:6)

(Germany, West--Soil research)

KONONOVA, M.M.; ALEKSANDROVA, I.V.

Biochemistry of humus formation and some problems in plant nutrition.
Izv.AN SSSR Ser.biol. 23 no.1:79-88 Ja-F '58. (MIRA 11:1)

1.Pochvennyy institut im. V.V. Dokuchayeva AN SSSR.
(HUMUS) (PLANTS--NUTRITION) (SOIL--BACTERIOLOGY)

20-119-4-44/60

AUTHORS: Kasatochkin, V. I., Kononova, M. M., Zil'berbrand, O. I.

TITLE: Infra-Red Absorption Spectra of Humus Substances of the Soil (Infrakrasnyye spektry pogloshcheniya gumusovykh veshchestv pochvy)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 119, Nr 4, pp. 785 - 788 (USSR)

ABSTRACT: The humus substances are the most characteristic compounds of the organic part of the soil. They were often investigated. Since, however, many problems connected with them are complicated and the nature of the substances varies according to the conditions of the soil formation, a number of problems concerning their nature and structure is not explained. In the present paper results are given of a comparative investigation of the structure of the humic- and "fulvic" acids, as in the title, and by means of radiographic method. As samples served: common black soil and lawn bleaching earth, both different to a great extent from each other. The method of

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KONONOVA, M.M.

High crop yields and practices of obtaining them in the Chinese
People's Republic. Pochvovedenie no.9:5-11 8 '59.
(MIRA 13:1)

1.Pochvennyy institut im. Dokuchayeva Akademii nauk SSSR.
(China--Field crops)

KONONOVA, M. M.

reports to be presented at the
7th Intl Congress of Micro-
biol. Research, Bratislava, 14-19 Sep 60.

RELEN'KIY, (fnu) (possibly M. S. RELEN'KIY,
Ukrainian Scientific Research Institute of
Health Resorts and Balneology, Odessa) - Paper
to be announced (Session IV)

REZNICHAK, M. M., Soil Institute Acad. V. V.
DOUGALYEV, Academy of Sciences USSR, Moscow -
"Characteristics of humus materials and their
importance for plants" (Session VIII; also
Chairman, Session VIII)

RODIONOVA, L. A., Institute of Forestry,
Academy of Sciences USSR, Moscow - "The task
of biological factors in the decomposition of
the organic parts of peats" (Session I)

SHAROVA, S. M. and EREDOVA, T. Y., both of the
Institute of Geochemistry and Analytical
Chemistry Acad. V. I. Vernadsky, Academy of
Sciences USSR, Moscow - "Organic components of
moors and their relation to metals" (Session I)

POPELOVA, G. E., Director, State Scientific
Research Institute for Health Resort Studies and
Physiotherapy, Moscow - paper to be announced
(Session III)

PYAVCHENKO, E. J., Institute of Forestry,
Academy of Sciences USSR, Moscow - "Types
of wood peat in the USSR" (Session VIII)

TYURNOV, N. - "Principles of classification of
moor deposits" (Session II)

ZAKHATIN, S. I., Institute of Regional Pathology,
Academy of Sciences Kazakh SSR, Alma Ata -
"Balneological factors in the Kazakh SSR"
(Session IV)

ANTIPOV-KARATAYEV, I.N., akademik, otv.red.; TYURIN, I.V., glavnyy red.;
 GORBUNOV, N.I., red.; VERIGINA, K.V., red.; ZONN, S.V., red.;
 IVANOVA, Ye.N., red.; KEDROV-ZIKHMAN, O.K., red.; KONONOVA,
 M.M., red.; LOBOVA, Ye.V., red.; MISHUSTIN, Ye.N., red.; RODE,
 A.A., red.; ROZANOV, A.N., red.; SOKOLOV, A.V., red.; FRIDLAND,
 V.M., red.; SHUVALOV, S.A., red.; YEFIMOV, A.L., red.isd-va;
 MAKUNI, Ye.V., tekhn.red.

[Reports of Soviet soil scientists to the 7th International
 Congress in the U.S.A.] Doklady sovetskikh pochvovedov k VII
 Mezhdunarodnomu kongressu v SSHA. Moskva, Izd-vo Akad.nauk SSSR,
 1960. 487 p. (MIRA 13:10)

1. International Congress of Soil Science. 7th. 2. AN Tadzhik-
 skoy SSR (for Antipov-Karatayev). 3. Pochvennyy institut im. V.V.
 Dokuchayeva Akademii nauk SSSR, Moskva (for Antipov-Karatayev, Gorbunov,
 (Continued on next card)

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Ivanova, Kononova, Rozanov, Fridland, Sokolov). 4. Laboratoriya
 lesovedeniya Akademii nauk SSSR, Moskva (for Zonn). 5. Vsesoyuznyy
 nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya
 Vsesoyuznoy ordena Lenina Akademii sel'skokhoz.nauk imeni V.I.Lenina
 i Institut zemledeliya akademii sel'skokhoz.nauk Belorusskoy SSR (for
 Kedrov-Zikhman). 6. Institut mikrobiologii Akademii nauk SSSR, Moskva
 (for Mishustin). 7. Nauchnyy institut po udobreniyam i insektofungi-
 tsidam im. Ya.V.Samoylova, Moskva (for Sokolov).

(Soil research)

KONONOVA, M.M.

"Textbook on agricultural chemistry and soil science.
Part 3: Humus and humus fertilizers. Vol.1. Morphology,
biology, chemistry, and dynamics of humus" [in German]
by F.Scheffer and B.Ulrich. Reviewed by M.M.Kononova.
Pochvovedenie no.8:115-117 Ag '60. (MIRA 13:8)
(Humus) (Scheffer, F.) (Ulrich, B.)

KONONOVA, M.M.; BEL'CHIKOVA, M.P.

Using the fractionation method for investigating the nature of
humic substances of soil. Pochvovedenie no.11:1-9 N '60.
(MIRA 13:11)

1. Pochvennyy institut im. V.V.Dokuchayeva Akademii nauk SSSR.
(Humus)

KONONOVA, M.M.; BEL'CHIKOVA, N.P.; ALEKSANDROVA, I.V.

Conference on methods applied for studying soil humus. Pochvovedenie
no.11:110-112 N '60. (MIRA 13:11)

(Humus)

~~KONONOVA, M.M.~~, doktor biolog. nauk, prof., otv. red.; PAVLOV, A.N., red.
izd-va; RYLINA, Yu.V., tekhn. red.

[Micro-organisms and organic matter of soils] Mikroorganizmy i organicheskoe veshchestvo pochv. Moskva, Izd-vo Akad. nauk SSSR, 1961.
289 p. (MIRA 14:11)

1. Akademiya nauk SSSR. Pochvennyy institut im. V.V.Dokuchayeva.
(Soil micro-organisms) (Humus)

KONONOVA, M.M.

Seventh International Congress on Comprehensive Investigation of
Peats. Izv. AN SSSR. Ser. biol. no.2:327-329 Mr-Apr '61.
(MIRA 14:3)

(PEAT—CONGRESSES)

KONONOVA, M.M.; BEL'CHIKOVA, N.P.

Rapid methods for determining the humus content of mineral soils.
Pochvovedenie no.10:75-87 0 '61. (MIRA 14:9)

1. Pochvennyy institut imeni V.V. Dokuchayeva.
(Humus)

KONONOVA, M.M.; TITOVA, N.A.

Using paper electrophoresis for the fractionation of humus substances
of soil and studying their complex iron compounds. Pochvovedenie
no.11:81-88 N '61. (MIRA 14:12)
(Paper electrophoresis) (Soils--Iron content) (Humus)

TYURIN, I.V., akademik, glav. red.; ZONN, S.V., prof., otv. red.;
ALEKSANDROVA, L.N., red.; ANTIPOV-KARATAYEV, I.N., red.;
VERNANDER, N.V., red.; VOLOBUYEV, V.R., red.; DARASELIYA, M.K.,
red.; IVANOVA, Ye.N., red.; KACHINSKIY, N.A., red.; KONONOVA, M.M.
red.; NOGINA, N.A., red.; RODE, A.A., red.; SOBOLEV, S.S., red.;
SOKOLOV, A.V., red.; MARKOV, V.Ya., red. izd-va; ASTAF'YEVA, G.A.,
tekhn. red.

[Problems of soil research] Problemy pochvovedeniya. Moskva,
Izd-vo Akad. nauk SSSR, 1962. 287 p. (MIRA 15:7)

1. Vsesoyuznoye obshchestvo pochvovedov. 2. Prezident Vsesoyuznogo
obshchestva pochvovedov (for Tyurin).
(Soil research)

KONONOVA, M.M.

Academician I.V.Tiurpin's research in the studies on soil
organic matter. Pochvovedenie no.12:1-7 D '62,

(MIRA 16:2)

1. Pochvennyy institut imeni V.V.Dokuchayeva.
(Humus)

KONONOVA, M.M.; D'YAKONOVA, K.V.

Second International Symposium on Humus and Plants. Izv. AN
SSSR. Ser. biol. no.2:311-313 Mr-Ap'62. (MIRA 16:7)
(HUMUS) (PLANTS—NUTRITION)

KONONOVA, M.M.

Ivan Vladimirovich Tiurin; an obituary. Izv.AN SSSR.Ser.biol.
no.6:932-934 N-D '62. (MIRA 16:1)
(TIURIN, IVAN VLADIMIROVICH, 1892-1962)

KONONOVA, Mariya Mikhaylovna; PAVLOV, A.N., red.izd-va; SIMKINA,
G.S., tekhn. red.

[Organic matter of soil; its nature, properties, methods
for studying] Organicheskoe veshchestvo pochvy, ego pri-
roda, svoistva i metody izucheniia. Moskva, Izd-vo Akad.
nauk SSSR, 1963. 313 p. (MIRA 16:5)

(Humus)

SOKOLOV, A.V.; VLASYUK, P.A.; GRINCHENKO, A.M.; GORBUNOV, N.I.;
DMITRIYENKO, R.A.; KONONOVA, M.M.; MISHUSTIN, Ye.N.

Immediate tasks in studying soil fertility and ways for its
increase. Pochvovedenie no.1:8-20 Ja '63. (MIRA 16:2)
(Soil fertility)

TYURIN, I.V. [deceased]; KONONOVA, M.M.

Biology of humus and soil fertility problems. Pochvovedenie no.3:1-13
Mr '63. (MIRA 16:3)

1. Pochvennyy institut imeni V.V.Dokuchayeva.
(Humus) (Soil fertility)

KONONOVA, M.M.; KONONOV, Yu.V.

A new massif of gabbro-norite rocks in the middle Dnieper Valley.
Dop. AN URSR no.5:647-650 '63. (MIRA 17:9)

1. Institut geologicheskikh nauk AN UkrSSR. Predstavleno akademikom
AN UkrSSR N.P.Semenenko [Semenenko, M.P.].

BOGOMOLOVA, Vera Vladimirovna; KONONOVA, E.N., otv. red.

[Theory of the process of podzolization; biochemical aspect.]
Teoriia podzoloobrazovatel'nogo protsessu; biokhimiicheskie
aspekty. Moskva, Nauka, 1964. 377 p. (MIRA 17:8)

GERASIMOV, I.P., akademik, glav. red.; RODE, A.A., red.; ANTIFOV-KARATAYEV, I.N., red.; KONONOVA, M.M., red.; MISHUSTIN, Ye.N., red.; GORBUNOV, N.I., red.; YEROKHINA, A.A., red.

[Physics, chemistry, biology and mineralogy of the soils of the U.S.S.R.; report at the Eighth International Congress of Soil Scientists] Fizika, khimiia, biologii i mineralogiia pochv SSSR; doklady k VIII Mezhdunarodnomu kongressu pochvovedov. Moskva, Nauka, 1964. 393 p.
(MIRA 17:9)

1. Vsesoyuznoye obshchestvo pochvovedov. 2. Prezident Vsesoyuznogo obshchestva pochvovedov (for Gerasimov). 3. Pochvennyy institut im. V.V. Dokuchayeva, Moskva (for Antipov-Karatayev, Gorbunov). 4. Institut mikrobiologii AN SSSR, Moskva (for Mishustin).

KOMONOVA, M.M.; ALEKSANDROVA, I.V.; TITOVA, N.A.

Decomposition of silicates by soil organic substances.
Pochvovedenie no.10:1-12 O '64.

(MIRA 17:11)

1. Pochvennyy institut imeni Dokuchaeva AN SSSR, Moskva.

ALEKSANDROVA, L.N.; KONONOVA, M.M.

Soil chemistry at the 8th International Congress of Soil Scientists
(2nd Commission). Pochvovedenie no.5:79-85 My '65. (MIRA 18:5)

KONONOVA, I.P.

25299 KONONOVA, I.P. Pedagogicheskaya Rabota V Sanatornom Detskom Otdelenii
(S Podrostkami V Reaktivnom Sostoyanii). Sbornik Nauch. Rabot Psikhiatr.)
Bolnitsy IM. Kashchenko, No.6. 1949. S. 186-91

SO: Letopis No. 33, 1949

KOMONOVA, M.P.

25298 KOMONOVA, M.P. Pedagogicheskaya Rabota V Sanatornom Detskom Otdelenii
(S Podrostkami V Reaktivnom Sostoyanii) Sbornik Nauch. Rabot ~~Psikhiatr~~
Bolbnitsy im. Kashchenko, No. 6, 1949. S. 211-16

SO: Letopis' No. 33, 1949

KONONOVA, Mariya Pigasiyevna; YUR'YEVA, O.P., red.; BUKOVSKAYA,
N.A., tekhn. red.

[Manual on the psychological study of mentally ill children;
from the experience of a psychologist in a pediatric
psychiatric hospital] Rukovodstvo po psikhologicheskomu issle-
dovaniyu psikhicheski bol'nykh detei shkol'nogo vozrasta; iz
opyta raboty psikhologa v detskom psikhiatricheskom statsio-
nare. Moskva, Medgiz, 1963. 174 p. (MIRA 17:3)

SAMOYLOVICH, A.G.; KONONOVA, M.V.

Magnetic susceptibility of unalloyed semiconductors. Dop. AN URSS
no.5:365-367 '54. (MIRA 8:7)

1. Chernivets'kiy derzhavniy universitet. Predstaviv diysniy chlen
AN URSS V.E. Lashkar'ov. (Semiconductors--Magnetic properties)

KONONOVA, M. V.

USSR

537 511 35 548 511 17 558 21
Magnetic Properties of the ~~Enzyme~~
~~Samoylovich & M. V. Kononova~~
USSR 16 March 1955
In Russian. A brief theoretical
reference to the magnetic properties of semiconductors.
A numerical check of the formula for magnetic susceptibility for the case of germanium shows fair agreement with experimental results reported in Russ. J. Phys. 1954; over a large temperature range.

KONONOVA, M.Ye.; VINNICHUK, R.I.

Study of methods for disinfection of rice seeds from *Aphelenchoides*
oryzae Yokoo. Trudy Gel'm. lab. 9:130-132 '59. (MIRA 13:3)
(Nematoda) (Rice--Diseases and pests)
(Seeds--Disinfection)

KONONOVA, N.

PA 77T80

USSR/Medicine - Mosquitoes, Eradication Mar 1948
Medicine - Malaria, Prevention

"Antimalaria Treatment of Carp Ponds With DDT
Preparation," G. Shpet and N. Kononova, 1 p

"Priroda" No 3

Describes subject experiments, carried out in laboratory and on carp ponds. DDT dose, lethal for anopheline mosquito larvae, is harmless both to carp and invertebrates they eat.

77T80

AUTHOR:

Kononova, N. K.

TITLE:

On the Problem of Cold-Air Currents in the Basin of Mountains of the Issyk-Kul' District in Winter (K voprosu o kholodnykh vkhozheniyakh v rayon Issyk-Kul'skoy kotloviny zimoy).

50-1-5/26

PERIODICAL:

Meteorologiya i Gidrologiya 1958, Nr 1, pp. 27-30 (USSR)

ABSTRACT:

The region of the Issyk-Kul' mountain basin is in the physical-geographical respect a separate region. The level of the Issyk-Kul' lake which fills the central part of the basin lies in an altitude of 1609 m above the sea level. The mountain chains enclosing this lake in the north (Kungey-Alatau) and in the south (Terskiy-Alatau) have heights of predominantly 3500-4000 m with individual peaks of more than 5000 m. These mountain chains combine in the east to the Kyzyl-Ompul highland behind which the mountain-pass "San-Tash" lies; in the west the chains combine to the Tasma highland which in a height of 250-300 m is intersected by the narrow (up to 1 km wide) gorge of Buamsk. All this leads to an isolation of the district. Mild winters are characteristic of the climate of the Issyk-Kul' region. A great disturbance of the usual winter conditions prevailing on the lake is the penetration of cold air masses accompanied by strong winds, the drop of

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On the Problem of Cold-Air Currents in the Basin of Mountains
of the Issyk-Kul' District in Winter.

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temperature, the spreading of clouds (mainly of the cumuli) with increased precipitations in fall winter, not seldom also with the formation of thunderstorms. The intensity of the penetration of cold air masses depends on the thickness of the penetrating air mass and the temperature difference between the incoming and the displaced air, which generally expressed by the difference of the atmospheric pressure in the basin and in the same altitudes outside. Above the mountain-basin of Issyk-Kul' after passage of the front on November 25, the simultaneous and intensive pressure rise in all stations began (25-30 millibar in three days). But it substantially lagged behind the corresponding rise outside the basin, above the northern foothills. The main causes of this phenomenon by A. A. Listovskiy's opinion are the following: 1) The seclusion of the mountain-basin. The cold air penetrates into the basin only gradually and only through the individual valleys. 2) The adiabatic warming. The arctic air with a vertical temperature gradient of $0,4^{\circ} - 0,6^{\circ}$ in the altitude of 100 m. The air crossed the mountains, descended 1 km in the basin and became by $4 - 6^{\circ}$ C warmer than in the same altitude outside the mountains. 3) Warming due to contact

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of the Issyk-Kul' District in Winter.

50-1-5/26

with the surface of the warm lake-water. In the course of the entire period of penetration of the cold air masses essential differences between the temperature and the pressure in the basin and outside it were maintained. Based on the observations performed it was determined that the cold-air flows most frequently occur in fall and in winter (November-December), that they are durable and cause a gradual but considerable decrease in temperature. In spring these flows are small and of short duration because the air outside the basin begins to warm through, but their warming above the lake is retarded. The calculations given in the article, due to the too small number of observation years, naturally only possess a value of orientation, but they characteristic of this phenomenon. There are 2 figures.

AVAILABLE: Library of Congress

1. Meteorology-USSR 2. Atmosphere-Turbulence

Card 3/3

KONONOVA, N. E.

KONONOVA, N. E. "Anti-malaria treatment of carp ponds by means of DDT," Trudy
Nauch.-issled. in-ta prудovogo i ozerno-rech. ryb. khoz-va, No. 5, 1948, p. 119-
29 -- Bibliog: 11 items

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

CHECHINA, A.S.; MALEVITSKAYA, M.A.; KONONOVA, N.Ye.

Effect of acclimatization of *Ameiurus nebulosus* on its parasites.
Doklady Akad. nauk SSSR 88 no. 1:173-175 1 Jan 1953. (CML 24:1)

1. Presented by Academician K. I. Skryabin 5 November 1952. 2.
Scientific-Research Institute of the Pond, Lake, and River Fish Industry of the Ukrainian SSR and the Belorussian Division of VNIORKh.

KONONOVA, N.E.

Toxicity and phytocidal activity of chlorophos. Zashch. rast. ot
vred. i bol. 3 no.5:31-32 8-0 '58. (MIRA 11:10)

1. Ukrainskiy Nauchno-issledovatel'skiy institut zashchity
rasteniy.
(Phosphoric acid) (Insecticides)

KOMONOVA, N.S.

Effect of DDT preparations on aquatic fauna during the control of
forest pests. Zool.zhur. 38 no.6:812-815 Ju '59. (MIRA 12:11)

1. Ukrainian Research Institute of Plant Protection, Kiyev.
(DDT (Insecticide)--Toxicology) (Forest protection)
(Fishes)

RUDNEV, D.F.; KONONOVA, N.E.

Chemical control measures for bark beetles. Nauk. zap. UzhGU 40:
279-283 '59. (MIRA 14:4)

1. Ukrainskiy nauchno-issledovatel'skiy institut zashchity rasteniy.
(Bark beetles) (Insecticides)

KONONOVA, N.E. [Kononova, N. Ye.]

Influence of DDT preparations on the aquatic fauna in
fighting the conditions injurious to forests. Analele biol
14 no.1:84-87 Ja-Mr '60.

RUDNEV, D. F., doktor biolog. nauk (Kiyev); ~~KOMONOVA, M. E.,~~
nauchnyy sotrudnik (Kiyev)

Polychloropinene and chlorophos in controlling forest pests.
Zashch. rast. ot vred. i bol. 6 no.6:35 '61.

(MIRA 16:4)

(Ukraine—Forest insects—Extermination)
(Pinene) (Chlorephos)

KONONOVA, N.R.

Survival of leaf-eating insect pests as related to the condition
of the plant. Zool. zhur. 43 no.1337-42 '64 (MIRA 1967)

1. Ukrainian Research Institute of Plant protection, Kiev.

RUDNEV, D.F.; KONONOVA, N.E.

Methods of increasing the resistance of pine plantations to pests in
the sand lands of the lower Dniester Valley, Zool. zh. 43 no.6:831-
840 '64. (MIRA 17:12)

1. Ukrainian Research Institute of Plant Protection, Kiev.

BERSHTEYN, V.A., inzh.; KASHAYEV, I.N., inzh.; RYT, E.Sh., inzh.; TSODIKOVA,
S.T., inzh.; Prinimali uchastiye: KRASIL'SHCHIKOVA, B.L., inzh.;
KONONOVA, N.I., inzh.; MATVEYEV, V.M., inzh.

Results of testing synthetic antifouling paints for seagoing
ships. Sudostroenie 28 no.4:41-44 Ap '62. (MIRA 15:4)
(Fouling of ship bottoms) (Ships--Painting)

S/169/62/000/003/079/098
D228/D301

AUTHOR: Kononova, N. K.

TITLE: Boundaries of the natural seasons in East Siberia

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 3. 1962, 51, abstract 3B374 (Izv. AN SSSR, ser. geogr., no. 6, 1961, 67-72)

TEXT: The aim of the work was to establish more precisely the duration, the structure, and some peculiarities of the year's natural seasons in East Siberia. The investigation was made with B. L. Dzerdzeyevskiy's data for the typification of circulation processes. The seasonal boundaries were determined for two decades ("epochs"): 1906 - 1915 and 1944 - 1953. The choice of these "epochs", separated by a large time interval, allows the multiyear changes in the character of the atmospheric circulation and the East Siberian climate to be appraised for a 50-year period; it also ensures more precise conclusions when comparing processes of a diverse character. The following materials were used: Daily synoptic maps for

Card 1/3

Boundaries of the ...

S/169/62/000/003/079/098
D228/D301

both "epochs"; Dzerdzeyevskiy's basic schemes of circulation types; the catalog of synoptic situations for 1899 - 1955 (the calendar of the change of elementary circulation mechanisms); maps of the mean pressure distribution in each of the types; data on the average frequency of caclones and anticyclones; tables of the frequency of different circulation types; and meteorologic, hydrologic, and phenologic data. Meridional circulation prevailed in the first decade (104.7 days a year); in the second its duration decreased to 90.8 days per annum. The pre-vernal season, spring, and autumn in the second "epoch" began earlier, and lasted longer than in the first, but the summer and the winter were shorter. This is explained by the fact that cyclonic activity and its associated zonal transfer attain their maximum development in the transitional seasons. The zonal circulation, however, was more intense in the second "epoch". Thus, the change in the atmospheric circulation's general character is reflected in the dates of onset of the natural seasons and in their duration. Owing to the intense cyclonic activity the transitional seasons lengthen -- and the main ones, es-

Card 2/3

KONONOVA, N.K.

Limits of natural seasons in Eastern Siberia. Izv. AN SSSR,
Ser. geog. no. 6:67-72 N-D '62. (MIRA 14012)

1. Institut geografii AN SSSR.
(Siberia, Eastern—Seasons)

KONONOVA, N.K.

Shifting directions of arctic intrusions in Eastern Siberia. Izv.
Vses. geog. Ob-va 94 no.3:255-257 My-Je '62. (MIRA 15:7)
(Siberia, Eastern--Meteorology) (Arctic regions)

S/169/62/000/011/038/077
D228/D307

AUTHOR: Kononova, N.K.

TITLE: Shifts in the directions of Arctic invasions in
East Siberia

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 11, 1962, 67,
abstract 11B377 (Izv. Vses. geogr. o-va, 94, no.3,
1962, 255-257)

TEXT: East Siberian circulation conditions that were observed in two 10-year periods (1906-1915 and 1944-1953) are compared. The meridional form of circulation prevailed in the first; the zonal form predominated in the second. The change in the prevalent circulation form was reflected in the variation of the number and direction of Arctic invasions. These were rarer in the second 10-year period, and their routes shifted eastwards (in all seasons, especially in winter).

[Abstracter's note: Complete translation]

Card 1/1

KONONOVA, N.K.

Changes in the structure of circulation seasons in Eastern Siberia during the first half of the 20th century. Izv. AN SSSR. Ser. geog. no.4:60-67 J1-Ag '63. (MIRA 16:8)

1. Institut geografii AN SSSR.
(Siberia, Eastern--Atmosphere)

KLINKOVSHTEYN, G.I., kand. tekhn. nauk;; AKSENOV, V.A., inzh.;
SARKIS'YANTS, E.G., inzh.; SHUMOV, A.V., inzh.;
MANUSADZHYANTS, Zh.G., inzh.; TROSHINA, M.Ya., inzh.;
STETSYUK, L.S., inzh.; PARSHIN, M.A., inzh.; KARPINSKAYA,
I.M., inzh.; FAL'KEVICH, B.S., doktor tekhn. nauk;
ILARIONOV, V.A., kand. tekhn. nauk; POLTEV, M.K., inzh.;
KOGAN, E.I., inzh.; CHIGARKO, G.T., inzh.; KONONOVA, V.S.,
red.

[Traffic safety and safety measures in automotive transportation] Bezopasnost' dvizheniia i tekhnika bezopasnosti na avtomobil'nom transporte. Moskva, Transport, 1964. 74 p.
(MIRA 18:1)

1. Moscow. Gosudarstvennyy nauchno-issledovatel'skiy institut avtomobil'nogo transporta. 2. Moskovskiy avtomekhanicheskii institut (for Fal'kevich). 3. Moskovskiy avtomobil'no-dorozhnyy institut imeni Molotova (for Ilarionov). 4. Vsesoyuznyy zaochnyy politekhnicheskii institut (for Poltev).

KONONOVA, R.A., inzh.

Reducing the unevenness of the intermediate roving. Tekst.prom. 22
no.2:35 F '62. (MIRA 15:3)

1. Byuro po delam ratsionalizatsii i izobretatel'stva Kirovskogo
tekstil'nogo kombinata.

(Spinning machinery)

BALON, Z.P.; KONONOVA, R.F.; KOSMININA, N.T.

Apparatus for the graduation of dosimeters with fields of γ -radiation doses from 9 to 24 roentgen/min. Nov. nauch.-issl. rab. po metr. VNIIM no.2:28-31 '64. (MIRA 18:4)

5(3)

AUTHORS:

Kursanov, D. N., Parnes, Z. N., Kononova, R. G. SOV/62-58-12-18/22

TITLE:

The Case of a Retarded Hydrogen Exchange in the >N-H Group
(Sluchay zamedlennogo vodorodnogo obmena v gruppe >N-H)

PERIODICAL:

Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk,
1958, Nr 12, pp 1493-1494 (USSR)

ABSTRACT:

In this brief report the authors mention that the isotope exchange of hydrogen in the NH-group of dimethyl carbethoxy pyrrole takes place comparatively slowly. It turned out to be possible to measure the kinetics of this reaction at different temperatures. The velocity constants were calculated by a first order equation. The experiments were carried out at 12, 15, 20, and 25°. $K_{12} = 3.2 \cdot 10^{-5}$; $K_{15} = 5.6 \cdot 10^{-5}$; $K_{20} = 1.07 \cdot 10^{-4}$; $K_{25} = 2.21 \cdot 10^{-4}$ in sec^{-1} . Apparent activation energy = 25500 cal. The retarded hydrogen exchange which took place in this case is interpreted from the viewpoint of the theory developed by A. I. Brodskiy. There are 2 references, 1 of which is Soviet.

Card 1/2

Inst Elements Organic Compounds AS USSR

KONONOVA, R.S.

Effectiveness and economic efficiency of hydrochemical and
metallometric prospecting methods. Sov. geol. 4 no.8:119-
122 Ag '61. (MIRA 16:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii
i inzhenernoy geologii.
(Prospecting)

GUMANOV, L.L.; NORENKO, N.P.; KONONOVA, S.D.

Mutagenic effect of nitrosoethylurea on *Actinomyces spheroides*
(*Streptomyces spheroides*). Dokl. AN SSSR 160 no.6:1404-1406
F '65. (MIRA 18:2)

1. Institut khimicheskoy fiziki AN SSSR. Submitted August 21,
1964.

L 5459-66 EWA(k)/FBD/EWT(1)/EWT(m)/BFF(c)/EEC(k)-2/T/EMP(t)/EMP(k)/EMP(b)/
EWA(m)-2/EWA(h) SCTB/IJP(c) HG/JD

ACC NR: AP5025098

SOURCE CODE: UR/0366/65/003/003/0265/0289

AUTHORS: Bykhovskaya, L. N.⁴⁴; Gurevich, I. M.⁴⁴; Yelina, N. G.⁴⁴; Kononova, S. V.⁴⁴;
Neyman, I. S.⁴⁴; Charnaya, F. A.⁴⁴

ORG: All-Union Lumo-Technical Research Institute, Moscow⁴⁴ (Vsesoyuznyy nauchno-
issledovatel'skiy svetotekhnicheskiy institut)

TITLE: Impulse lamps VNISI for lasers

SOURCE: Zhurnal prikladnoy spektroskopii, v. 3, no. 3, 1965, 285-289

76
B

TOPIC TAGS: ⁴⁴xenon lamp, impulse lamp, optical pumping, optical quanta generator

ABSTRACT: In order to develop reliable lasers^{45,44} for use as optical pumps in various solid state devices, the performance of 8 different Xe lamps was studied. Lamps having straight and cylindrical spirals and flash energy output between 200 to 2000 joules were studied. The spectral distribution, light intensity, and electrical resistance of the lamps were determined. The results are presented in tables and graphs (see Fig. 1). It is concluded that the observed saturation of radiant energy F_{λ} in the region of 900 Å for the lamp IP-400 (400 mm Hg Xe) is

Card 1/2

UDC: 621.385.8

0901094/

L 5459-66

ACC NR: AP5025098

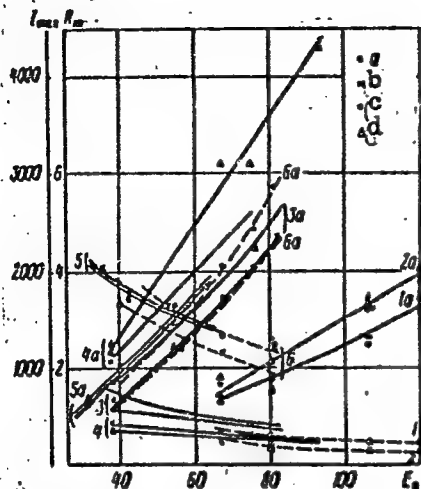


Fig. 1. Dependence of current amplitude I_{\max} (a) curves 1a - 6a and resistance of impulse lamps R_m (ohm) at the instant of I_{\max} - curves 1 - 6 on the initial potential gradient E_0 (v/cm).
1 - 1a - IP-200; 2, 2a - IP-400;
3, 3a - IP-3000; 4, 4a - IP-5000;
5, 5a - ISTS-10000; 6, 6a - ISP-10000;
a - at $C = 204$ microfarad; b - 530 mf;
c - 1160 mf; d - 1475 mf.

due to line plasma absorption. Orig. art. has: 3 tables and 4 graphs.

SUB CODE: EE,OP,EC / SUBM DATE: 00/

ORIG REF: 010/

OTH REF: 003

Card 2/2 *md*

GOSTEV, B.I., kandidat tekhnicheskikh nauk; USHAKOV, A.D., kandidat tekhnicheskikh nauk; ~~KONONOVA, T.A.~~, inzhener; AKOPYAN, S.I., kandidat tekhnicheskikh nauk, redaktor; VASIL'YEV, A.V., kandidat tekhnicheskikh nauk, redaktor; KRISTI, M.K., professor, redaktor; L'VOV, Ye.D., professor, redaktor; MALASHKIN, O.M., inzhener, redaktor; YUDUSHKIN, N.C., inzhener, redaktor; MODEL', B.I., tekhnicheskii redaktor.

[Investigating cast iron with spheroidal graphite inclusions and its use for tractor parts] Issledovanie chuguna so sfereid-al'noi forme grafite i primeneniye ego dlia trakternykh detalей. Moskva, Gos.nauchno-tekhn.isd-ve mashinostroit.lit-ry, 1943.36 p. (Moscow. Gosudarstvennyi soiznyy nauchno-issledovatel'skii trakternyi institut [Trudy], no.7) (MLBA 9:1)

1.Direktor nauchno-issledovatel'skogo tekhnologicheskogo instituta (per Akopyan).

(Cast iron) (Tractor industry)

KONONOVA, T. A.

PA 233T60

USSR/Metallurgy - Cast Iron, Modification Jul 52

"Sulfur in Cast Irons Treated With Magnesium and Cerium," A.D. Ushakov, T.A. Kononova, Candidates Tech Sci.

"Litey Proizvod" No 7, pp 22, 23

Studies influence of sulfur on process of obtaining cast iron with spheroidal graphite during inoculation with Mg and Ce. There is no significant desulfurization of cast iron caused by addn of these inoculants. Sulfur, combined with Mg and Ce in form of complex compds of sulfides, cannot be detd by usual methods of analysis. These sulfides remain in metal and decompose at high temp during overheating liquid cast iron. 233T60

Kononova, T. A.

USSR/ Chemistry - Synthetics

Card 1/1 Pub. 40 - 15/2

Authors : Ushakov, S. N., and Kononova, T. A.

Title : Synthesis of polyvinyl alcohol esters

Periodical : Izv. AN SSSR. Otd. khim. nauk 1, 117-125, Jan-Feb 1955

Abstract : Experimental data are given on the development and improvement of methods for the synthesis of polyvinyl alcohol esters (polyvinylformate, polyvinyl acetate, polyvinylpropionate, polyvinylbutyrate and polyvinylisobutyrate) containing various amounts of free hydroxyl groups and having uniform average length of the macromolecular chain and polydispersion. The results obtained with the aid of the new methods are described. Thirteen references: 4 USSR, 4 German, 2 USA and 3 English (1926-1949). Tables; graph.

Institution : The Lenseviet Technological Inst. Leningrad

Submitted : April 23, 1954

KONONOVA, T. A.

USSR/ Chemistry - Chemical technology

Card 1/1 Pub. 40 - 19/26

Authors : Ushakov, S. N., and Kononova, T. A.

Title : About certain physico-chemical properties of polyvinyl alcohol esters

Periodical : Izv. AN SSSR. Otd. khim. nauk 2, 335 - 343, Mar-Apr 1955

Abstract : Tests were made to determine the vitrification temperatures and mechanical properties of complete polyvinyl alcohol esters and formic, propionic, n-butyric and isobutyric acids and a series of products obtained through their partial saponification. The vitrification points were found to be constant up to a free hydroxyl content of 30 mol/%; they increase in proportion to the drop in ester group content. The anomalous change in the vitrification point of formic esters of polyvinyl alcohol is explained. The strength, modulus and elongation of polyvinyl alcohol ester films were determined in vitreous and high-elastic states. Nine references: 8 USSR and 1 German (1939-1955). Tables; diagrams.

Institution : The Leningrad Soviet Technological Institute, Leningrad

Submitted : April 23, 1954

KONONOVA, T. A.
ANTONOV, A.P., kand.tekhn.nauk; KONONOVA, T.A.

Using cast magnesium iron for making tractor bushings. Avt.1
trakt.prom. no.9:28-30 S '57. (MIRA 10:11)

1. Novosibirskiy sel'skokhozyaystvennyy institut i Nauchno-
issledovatel'skiy avtotraktornyy institut.
(Iron-magnesium alloys) (Tractors)

SOV/5511

Physical Metallurgy (Cont.)

Blanter, N. Ye., Doctor of Technical Sciences, Professor, N. A. Kulakov, Engineer, and I. M. Senychev (Moscow). Quench-Hardening of Massive Steel Parts in Water-Air Mixtures	167
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SOV/5511

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Zubarev, V. P., Doctor of Technical Sciences, Professor, and P. K. Tkachenko, Engineer (Zhdanov). On the Mechanism of the Silicon Influence on Graphitizing	234
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Yatsenko, A. I., Engineer (Dnepropetrovsk). Structural Changes in Austenitizing Ferritic Magnesium Iron	249

SOV/5511

Physical Metallurgy (Cont.)

Zubarev, V. P., Doctor of Technical Sciences, Professor, P. K. Tkachenko, and L. N. Kudryavtsev (Zhdanov). For- mation of Graphitization Centers and Special Features of Their Distribution in the Annealing of Quenched White Cast Iron	258
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Bobro, Yu. O., Candidate of Technical Sciences, Docent (Khar'kov). Effect of Certain Elements on the Properties of Manganese Cast Irons	281
Kvasnina, Ye. I., Engineer (Moscow). Optimum Heating and Cooling Rates in Annealing of High-Strength Spheroidal- Graphite Iron Castings Card 9/10	292

SOV/5511

Physical Metallurgy (Cont.)

Kononova, T. A., Engineer (Moscow). Investigating the Properties of Quenched Manganese Cast Iron	302
Bykhovskiy, A. I., Engineer (Kiyev). Effect of Heat Treatment on the Transformation of White Tin into Gray	317

ASSOCIATION NO: AP5012330

JE 7226 04/000/022/0085/0085

AUTHOR: Khrenova, M. B.; Mayorov, A. D.; Kononova, T. M.; Nikitin, A. Ya.

Pat filter case. Class 61, No. 166577

Patent izobreteniy i tovarnykh znakov. 1972, 45

TOPIC TAGS: industrial filter

Translation: A patent for a filter case which contains a cover, housing, valve and rod. In order to simplify manufacture and facilitate replacement of the filtering elements, the housing is made as a single unit with the valve casing and guide rod for the breather valve. 2. A case of description in which the diameters of the cover and housing are such a way that the edges of the filter are pressed between them so that the unit will be airtight. Orig. art. has: 1 figure

ASSOCIATION: Predpriyatiye gosudarstvennogo komiteta khimicheskoy promyshlennosti
USSR (Enterprise of the State Committee on the Chemical Industry
with GOSPLAN, USSR)

Card 1/2

GORELIK, M.V.; KONONOVA, T.P.; FEL'DSHTYEN, M.S.; URAKOVA, I.S.

Sulfenamides based on hexamethylenimine. Zhur. ob. khim.
34 no. 5:1577-1581 My '64. (MIRA 17:7)

1. Nauchno-issledovatel'skiy institut organicheskikh polu-
produktov i krasiteley i Nauchno-issledovatel'skiy institut
shinnoy promyshlennosti.

FEL'DSHTEYN, M.S.; GORELIK, M.V.; BESKINA, I.G.; KOMONOVA, T.P.

Comparative study of the vulcanization activity of sulfenamide and bis-sulfenamide derivatives of benzothiazole. Zhur. prikl. khim. 37 no.12:2696-2701 D '64.

(MIRA 18:3)

1. Nauchno-issledovatel'skiye instituty shinnoy promyshlennosti i organicheskikh poluproduktov i krasiteley.

REZNIKOV, I.G.; KONONOVA, T.V.; KOBZEVA, L.A.; LOYKO, V.A.

Obtaining fatty acid esters in the manufacture of alkylol amides.
Trudy NIISZHIMSa no.3:15-19 '62. (MIRA 16:12)

KOLONOVA, V.A.

"The Hygienic Basis for the 'Cordon Sanitaire' Between the Residential Sector and Cattle Farms and the Size of Landscape Plantings in the Rural Localities of the Trans-Volga." Cand Med Sci, Saratov State Medical Inst, Min Higher Education RSFSR, Saratov, 1955. (KL, No 15, Apr 55).

30: Sum.No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

KONONOVA, V.A., kand.med.nauk

Basis for establishing a health zone between residential sectors
and storehouses of combustibles on state farms in the Saratov Province
[with summary in English]. Gig. i san. 23 no.6:11-15 Ja '58

(MIRA 11:7)

1. Iz Saratovskogo instituta gigiyeny i professional'noy
patologii.

(AGRICULTURE,

combustibles on farms (Rus))

(PETROLEUM PRODUCTS--HYGIENIC ASPECTS)

KONONOVA, V.A., kand.med.nauk; AKSENOVA, V.B., nauchnyy sotrudnik

Air pollution by discharge from a synthetic alcohol plant and
its effect on morbidity and living conditions. Gig. i san.
26 no.9:3-7 S '61. (MIRA 15:3)

1. Iz Saratovskogo instituta sel'skoy gigiyeny Ministerstva
zdravookhraneniya RSFSR.

(AIR POLLUTION)
(ALCOHOL, DENATURED---TOXICOLOGY)

KONONOVA, V.A., nauchnyy sotrudnik; AKSENOVA, V.B., nauchnyy sotrudnik

Hygienic evaluation of plans and construction of collective farms
in some provinces of the Russian Federation. Gig.i san. 26 no.12:
14-18 D '61. (MIRA 15:9)

1. Iz Saratovskogo nauchno-issledovatel'skogo instituta sel'skoy
gigiyeny Ministerstva zdravookhraneniya RSFSR.
(PUBLIC HEALTH, RURAL) FARM BUILDINGS)

KONONOVA, V.A., kand. med. nauk; AKSENOVA, V.B., nauchnyy sotrudnik

Hygienic basis for sanitary protection zones separating
dwelling houses from livestock farms. Gig. i san. 28 no.7:
7-11 J1 '63. (MIRA 17:1)

1. Iz Saratovskogo nauchno-issledovatel'skogo instituta
sel'skoy gigiyeny.

~~L 8479-65~~ AMD/Pa-4
ACCESSION NR: AP4049787

S/0240/64/000/007/0060/0062

8

AUTHOR: Kononova, V. A. (Candidate of medical sciences)

TITLE: Hygienic evaluation of regional planning schemes in some oblasts of the RSFSR

SOURCE: Gigiyena i sanitariya, no. 7, 1964, 60-62

TOPIC TAGS: industrial hygiene, sanitation

Abstract: According to the author, evaluation of 24 rural construction projects in the RSFSR from the hygienic and sanitary standpoint indicated that although the majority of these projects were sound in concept, some of them were deficient in that no provisions were made for the disposal of garbage, while breeding farms were to be located too close to villages, adequate provisions were not made for the planting of trees and gardens in villages, etc. Reasons for these defects in planning are discussed and some remedies suggested.

Card

1/2

L 8479-65

ACCESSION NR: AP4048787

ASSOCIATION: Saratovskiy nauchno-issledovatel'skiy institut sel'skoy gigiyeny'
(Saratov Scientific Research Institute of Rural Hygiene)

SUBMITTED: 14May63

ENCL: 00

SUB CODE: GO

NO REF SOV: 003

OTHER: 000

JPRS

Card

2/2

X

KONONOVA, V. A. , Cand Geol-Min Sci -- (diss) "Urtit^a-Iolite
Intrusions of the Basin of the Balygtyg-Khem River and ^{the} Role
of Metasomatic Processes in Their Formation." Mos, 1957.
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graphy, Mineralogy, and Geochemistry), 125 copies (KL, 49-57,
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KONONOVA, V. A.

11-5-3/15

SUBJECT: USSR/Geology

AUTHOR: Kononova, V.A.

TITLE: Urtite-Iolite Intrusions in Tuva and the Role of Metasomatic Processes in their Formation (Urtit-iyolitovyye intruzii Tuvy i rol' metasomaticheskikh protsessov pri ikh formirovani)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1957, v. 22, # 5, pp 37-55 (USSR)

ABSTRACT: The paper describes characteristics of the urtite-iolite intrusions in the new alkaline province of south-eastern Tuva.

The Dakhunurskaya intrusion, connected spatially with pyroxenites and accompanied with vein-like carbonate bodies, is of a special interest in connection with the problem of the origin of complex natural associations (ultrabasic - alkaline - carbonatite rocks). Its study is especially important, because deposits of apatite, iron ores and niobium minerals are associated in some regions of the Soviet Union and abroad with similar massifs.

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11-5-3/15

TITLE:

Urtite-Iolite Intrusions in Tuva and the Role of Metasomatic Processes in their Formation (Urtit-iyolitovyye intruzii Tuvy i rol' metasomaticheskikh protsessov pri ikh formirovani)

The Dakhunurskaya intrusion is represented in a modern erosion section by two bodies which are named by the author the western and eastern bodies. The western body is mainly composed of iolites enriched with calcite in its central and southern parts. The eastern body has a more complicated structure; urtites and iolite-urtites are spatially associated with earlier pyroxenites. The Dakhunurskaya intrusion is accompanied with 2 large pegmatite veins of nepheline-zeolite composition with admixtures of fluorite, schorlomite and zircon.

The Chikskaya intrusion consists of several bodies, the main part of which extends in north-western direction. It is accompanied with 3 satellites of considerably smaller dimensions. The main body of the Chikskaya intrusion is composed of iolite-urtites, iolites, calcite-containing urtites, calcite-nepheline and carbonate rocks.

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11-5-3/15

TITLE:

Urtite-Iolite Intrusions in Tuva and the Role of Metasomatic Processes in their Formation (Urtit-iyolitovyye intruzii Tuvy i rol' metasomaticheskikh protsessov pri ikh formirovani)

The urtite-iolite intrusions are deposited between marbles of the Upper-Proterozoic age. Contacts with marbles are outcropped in the Chikskaya intrusion. In the Dakhunurskaya intrusions active contacts with pyroxenites were also discovered. These contacts are accompanied with nephelinization which spreads over a considerable zone (thickness is up to 50 m).

Proper magmatic nepheline rocks of these intrusions do not contain feldspar and belong to the urtite-iolite type whose main minerals are nepheline and pyroxene. When nepheline dominates (95 to 85 %) this rock is held as urtite, and when shares of nepheline and pyroxene are almost equal it is held as iolite.

Metasomatic processes in the urtite-iolite rocks resulted in the formation of garnet-containing iolites and "Kozenites" (rock composed of calcite of not-biogenic and not-sedimentary origin, nepheline and pyroxene).

Card 3/4

KONONOVA, V A

AUTHOR: Kononova, V.A.

11-58-6-4/13

TITLE: On the Nephelinization of Pyroxenites and Marbles (O nefelinizatsii piroksenitov i mramorov)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1958, Nr 6, pp 58-68 (USSR)

ABSTRACT: The author describes the formation of nepheline in pyroxenite and marble which she studied in the Balyktyg-Khem river region (South-East of Tuva). The formation of nepheline in pyroxenite (Dakhu-Nur intrusion) and in marble (Chik Intrusion) are found exclusively in the zones of contact with the urtite-iolite intrusions, and could be regarded as an unusual contacting process. The nephelinization of pyroxenite is accompanied by the development of characteristic poikiloblastic and corrosive textures - a result of a late appearance of nepheline which metasomatically replaced the pyroxenites. The nephelinized pyroxenite is heterogeneous in composition and has a taxitic texture. In the Chik intrusion, rocks of the urtite-iolite group occur in marble and contain xenolites. The development of nepheline in marble is observed at points of contact with the intrusion. The xenolites are of

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On the Nephelinization of Pyroxenites and Marbles

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different formations. In some places they are transformed into silica-carbonaceous rocks. The content of silicate minerals (nepheline, pyroxene and apatite) varies from 5 to 70%. Iolite-urtite rock, especially near the point of contact with marble, are transformed into melteigites for a zone of about 15 cm and contain 23% calcite. The nephelinization of pyroxenites described by the author is similar to the nephelinization observed in South Africa [Ref 6].

There are 3 tables, 2 figures, 7 photos, 6 references, 2 of which are Soviet, 2 English and 2 American.

ASSOCIATION: Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR (Institute of Geology of Mineral Deposits, Petrography, Mineralogy and Geochemistry of the AS USSR)

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